

## ABSTRACT

The instant methods and compositions represent an advance in  
5 controlling drug resistance in microbes. AcrAB-like efflux pumps have been found to  
control resistance to drugs, even in highly resistant microbes. Accordingly, methods of  
treating infection, methods of screening for inhibitors of AcrAB-like efflux pumps, and  
methods of enhancing antimicrobial activity of drugs are provided. Pharmaceutical  
composition comprising an inhibitor of an AcrAB-like efflux pump and an antimicrobial  
10 agent are also provided.